

LUCON TR1000

PMMA-Z

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0055	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength at Yield	54.9	MPa	ASTM D 638
Elongation at Break	30	%	ASTM D 638
Flexural Modulus	2158	MPa	ASTM D 790
Flexural Strength	85.3	MPa	ASTM D 790
Izod Impact notched, 1/8 in	43.4	J/m	ASTM D 256
Thermal properties			
ASTM Data			
DTUL @ 66 psi	100	°C	ASTM D 648
DTUL @ 264 psi	90	°C	ASTM D 648
Electrical properties			
ISO Data			
Surface resistivity	2E12	Ohm	IEC 62631-3-2
Optical properties			
ASTM Data			
Haze	10	%	ASTM D 1003
Light Transmittance	75	%	ASTM D 1003
Other properties			
Density	1160	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	70 - 80	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	200 - 230	°C	-
Mold temperature	40 - 60	°C	-
Zone 1	180 - 200	°C	-
Zone 2	190 - 210	°C	-
Zone 3	200 - 220	°C	-
Nozzle temperature	200 - 230	°C	-
Screw speed	<80	rpm	-
Back pressure	0.5 - 1	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific, South and Central America

Special Characteristics

Anti-static, Transparent